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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/680,736

10/06/2003

William F. McWalter

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12/29/2005

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EXAMINER

FRANKLIN, RICHARD B

ART UNIT

PAPER NUMBER

2181

DATE MAILED: 12/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/680,736	MCWALTER ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Richard Franklin	2181	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 03 November 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 November 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### **DETAILED ACTION**

1. Claims 1 – 14 have been examined.

#### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 6 – 7, and 13 – 14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
3. Claim 6 recites the limitation "an application program" in Lines 1 and 2. There is insufficient antecedent basis for this limitation in the claim.

It is not clear if the Applicant is referring to a new application program or the application program recited in claim 1. The Examiner has interpreted the limitation as referring to the application program of claim 1.

4. Claim 7 recites the limitation "a logical device manager" in Line 3. There is insufficient antecedent basis for this limitation in the claim.

It is not clear if the Applicant is referring to a new logical device manager or the logical device manager recited in claim 1. The Examiner has interpreted the limitation as referring to the logical device manager of claim 1.

5. Claim 7 recites the limitation "an application program" in Line 4. There is insufficient antecedent basis for this limitation in the claim.

It is not clear if the Applicant is referring to a new application program or the application program recited in claim 1. The Examiner has interpreted the limitation as referring to the application program of claim 1.

6. Claim 13 recites the limitation "an application program" in Lines 1 and 2. There is insufficient antecedent basis for this limitation in the claim.

It is not clear if the Applicant is referring to a new application program or the application program recited in claim 8. The Examiner has interpreted the limitation as referring to the application program of claim 8.

7. Claim 14 recites the limitation "a logical device manager" in Line 3. There is insufficient antecedent basis for this limitation in the claim.

It is not clear if the Applicant is referring to a new logical device manager or the logical device manager recited in claim 8. The Examiner has interpreted the limitation as referring to the logical device manager of claim 8.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1, 4 – 8, and 11 – 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Arato et al. "The Evolution of Jini™ Technology in Telematics" (hereinafter Arato).

As per claims 1 and 8, Arato teaches a telematics system that executes an application program that is in communication with a logical device manager (Page 9 Figure 1 [JMatos Lookup Service]) that is configured to execute abstract operations including; receiving a logical name from the application program indicating a device type of a physical device present in the telematics system (Page 9 Figure 1 Step 4); selecting the physical device in the telematics system based on the device type indicated by the logical name (Page 9 Figure 1 Steps 5 and 6); and determining a physical device name for a software component representing the selected physical device in the telematics system (Page 9 Figure 1 Step 2).

As per claims 4 and 11, Arato teaches wherein the logical name us a generic character string indicating the device type of the physical device in the telematics system (Page 9 Figure 1 [Power Plant, Running Gear, Powertrain]).

As per claims 5 and 12, Arato teaches wherein the software component is a logical device object (Page 9 Figure 1 [Network Service]), the logical device object including a physical device implementation code segment capable of receiving data from the physical device, the logical device object further including an application programming interface (API) in communication with the physical device implementation code segment, wherein the API is capable of receiving the device data from the physical device code segment (Page 9 Figure 1 Step 1).

As per claims 6 and 13, Arato teaches wherein the application program can communicate with the API to access the device data (Page 9 Figure 1 Step 6).

As per claims 7 and 14, Arato teaches further the operation of registering components representing physical devices in the telematics system with the logical device manager (Page 9 Figure 1 Step 2), and the logical device manager being capable of receiving the logical name from the application program.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 2 – 3 and 9 – 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arato et al. "The Evolution of Jini™ Technology in Telematics" (hereinafter Arato).

As per claims 2 and 9, Arato does not teach providing the physical device name to the application program and that the physical device name is a character string.

The Examiner takes official notice that providing physical device names as character strings to application programs is well known in the art.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the teachings of Arato to include providing physical device names as character strings because providing the physical device name to the application program as a character string would allow the program to display the device name to a user.

As per claims 3 and 10, Arato does not teach providing a handle to the software component to the application program.

The Examiner takes official notice that providing handles to software components to application programs is well known in the art.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the teachings of Arato to include providing handles to software components to the application program because providing a handle to the software component to the application program allows application programs to interface with the software component with minimal overhead.

### ***Response to Arguments***

10. Applicant's arguments with respect to claims 1 – 14 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Franklin whose telephone number is (571) 272-0669. The examiner can normally be reached on M-F.

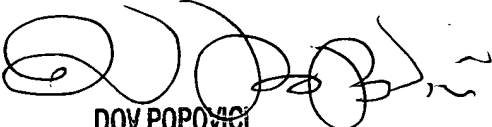
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Art Unit: 2181

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Richard Franklin  
Patent Examiner  
Art Unit 2181



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SUPERVISORY PATENT EXAMINER  
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